

Serial No. 09/289,327  
Atty. Docket 7146.021

## PROJECTION DISPLAY SYSTEM USING POLARIZED LIGHT

### ABSTRACT OF THE DISCLOSURE

A projection display system using polarized light comprises a light source for generating a light beam having at least two light components, wherein the light components are polarized and at least one of the light components is polarized differently than another of the light components. The projection display system has a projection system having a plurality of polarized light modulators, each modulator generating a light-component-specific image associated with one of the light components. The projection display system also has a projection lens for projecting an image combined from the light-component-specific images from the modulators. The present invention also provides a polarization converter for use with a light source that generates a light beam having at least two light components. The polarization converter comprises an optics array capable of separating the light beam into at least one light component having a polarization that is different than another light component.